Claims

What is claimed is:

1. A mounting assembly comprising:

an upper base;

a lower base having a first tubular member;

first and second axial isolation layers; and

an isolator;

wherein said first and second isolation layers and said isolator are disposed between said upper and lower bases, wherein said first isolation layer and said isolator substantially circumscribe said first tubular member of said lower base and said second isolation layer substantially circumscribes said isolator.

2. A mounting assembly according to claim 1, wherein said first and second isolation layers and said isolator each have an aperture, wherein said apertures substantially circumscribe said first tubular member.

3. A mounting assembly according to claim 1, wherein said upper base further includes a second tubular member, and wherein said second tubular member defines a central opening.

4. A mounting assembly according to claim 1, wherein said second tubular member has a smaller diameter than said first tubular member, such that said second tubular member slidingly engages into said first tubular member.

5. A mounting assembly according to claim 1, wherein said second tubular member has a dimple for engaging a fastener.

6. A mounting assembly according to claim 1, wherein said upper base includes a lip, said lip abuts said second isolation layer.

7. A mounting assembly according to claim 1, wherein said isolator and said first isolation layer are constructed as one integral piece.

8. A mounting assembly according to claim 1, wherein said first and second isolation layers and said isolator are constructed of a wire mesh material.

9. A mounting assembly comprising:

an upper base;

a lower base having a first tubular member;

an axial isolation layer; and

an isolator;

wherein said isolation layer and said isolator are disposed between said upper and lower bases, wherein said isolator substantially circumscribes said first tubular member of said lower base and said isolation layer substantially circumscribes said isolator.

10. A mounting assembly according to claim 9, wherein said upper base further includes a second tubular member, and wherein said second tubular member defines a central opening and includes a dimple for engaging a fastener.

11. A mounting assembly according to claim 9, wherein said second tubular member has a smaller diameter than said first tubular member, such that said second tubular member slidingly engages into said first tubular member.

12. A mounting assembly according to claim 9, wherein said upper base includes a lip, said lip abuts said second isolation layer.

13. A mounting assembly according to claim 9, wherein said isolation layer and said isolator are a wire mesh material.

14. An assembly for mounting an object to a mounting surface comprising:

a load absorbing member defining a central opening, said member having an inner surface and an outer surface;

first and second isolation layers disposed in a region defined by said outer surface of said load absorbing member, each of said isolation layers including inner surfaces that substantially circumscribe said outer surface of said member; and

an isolator disposed in a region defined by said inner surface of said second isolation layer and said outer surface of said member, said isolator having and outer surface that is spaced apart from the inner surface of the second axial isolation layer forming an annular gap for receiving a tubular portion of the mounting surface.

15. An assembly as in claim 14, wherein said load absorbing member comprises an upper base and a lower base.

16. An assembly as in claim 14, wherein said lower base includes a first tubular member, wherein said upper base includes a second tubular member, and wherein said second tubular member slidingly engages said first tubular member, defining said central opening.

17. An assembly as in claim 14, wherein said second tubular member includes a dimple for engaging a fastener.

18. A mounting assembly according to claim 14, wherein said isolator and said first isolation layer are constructed as an integral piece.

19. An assembly as in claim 14, wherein said first and second isolation layers and said isolator are made from a wire mesh material.